MAR D 9 2004 &

TITLE: Gradient Density Method and Apparatus INVENTORS: Dale A. Davison and Phillip B. Liescheski DOCKET NO: 18-595-1-1

FIG. 1

1/2

10

-12

-16

FORM OR PARTLY FORM AND IMMOBILIZE DENSITY GRADIENT IN CONTAINER OR PARTS OF DENSITY GRADIENT

MOVE IMMOBILIZED DENSITY GRADIENT OR PARTS OF DENSITY GRADIENT TO NEW LOCATION

REMOBILIZE AND OR COMPLETE DENSITY GRADIENT
IN NEW LOCATION AND USE WHILE
GRADIENT IS STILL FORMED

F16.2

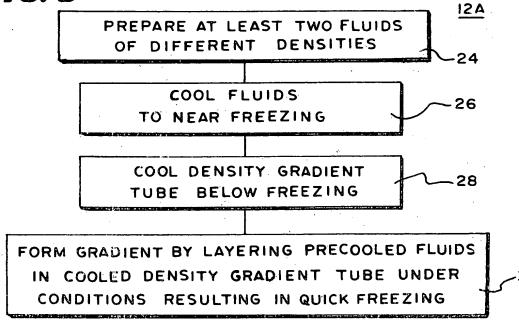
FORM DEGASSED DENSITY GRADIENT IN CONTAINER

20

FREEZE DENSITY GRADIENT IN CONTAINER

22

F16. 3



TITLE: **Gradient Density Method and Apparatus INVENTORS**: Dale A. Davison and Phillip B. Liescheski DOCKET NO: 18-595-1-1 2/2 F16.4 34 42A 43A WARMING 36 GRADIENT CENTRIFUGE STATION FORMER 32 42B 43B REFRIGERATION WARMING UNIT CENTRIFUGE STATION -38 42C -43C PACKAGING 40 UNIT WARMING CENTRIFUGE STATION FIG. 5 48A <u>36</u> PUMP -50A 52 46 MIXER CONTROLLER FLUID SOURCE 48B PUMP 57 .50B FLUID SOURCE 54o o FIG. 6 -54C 54E **54G 54A** 62A

56

.62B

58

-62C

60

42

54B

66

645

54D - ~

54F -

54H-